

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L4 | 117 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)) and 356/5.01-5.15.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/15 12:06 |
| L3 | 117 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)) and "356"/5.01-5.15.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/15 12:06 |
| L2 | 1471 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)) and ("356"/\$.ccls. "342"/\$.ccls. "367"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/15 12:03 |
| L1 | 1 | "10574632" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/15 11:58 |
| S77 | 1 | 2005-323772.NRAN. | DERWENT | OR | ON | 2010/06/14 19:05 |

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|-----|------|---|---|----|-----|---------------------|
| S76 | 2 | "20070091294" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/14 19:05 |
| S75 | 561 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight \$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4) and (plural\$4 several\$1 multipl\$4 many) near5 measur\$5) and ("342"/\$.ccls. "356"/\$.ccls. "367"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/14 17:25 |
| S74 | 2603 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight \$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4) and (plural\$4 several\$1 multipl\$4 many) near5 measur\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/14 17:24 |
| S73 | 8087 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight \$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/14 17:19 |
| S72 | 5 | ("20030035097" "4208125" "5691808" "6563105" "6781677").PN. OR ("7499829").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/14 16:14 |
| S69 | 2 | "6888492" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/14 12:21 |
| S68 | 13 | ("4745562" "4985844" "5298905" "5612779" "6137566" "6331887" "6418386" "6590521").PN. OR ("2002/0145725" "2003/0035097" "6950177"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/06/14 11:32 |

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|-----|--------|---|---|----|-----|---------------------|
| S67 | 8087 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/14 11:26 |
| S66 | 3 | ("20020145725" "20030035097" "6950177").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/06/14 11:11 |
| S65 | 3 | ("20020145725" "20030035097" "6950177").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/01/27 14:37 |
| S64 | 273 | S61 and S62 and (reflect\$4 return\$4 echo\$3) | US-PGPUB; USPAT | OR | OFF | 2009/12/29 20:35 |
| S63 | 289 | S61 and S62 | US-PGPUB; USPAT | OR | OFF | 2009/12/29 20:33 |
| S62 | 29573 | rising near2 edge and falling near2 edge | US-PGPUB; USPAT | OR | OFF | 2009/12/29 20:33 |
| S61 | 5017 | S57 and S59 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:32 |
| S60 | 68263 | S55 and S59 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:32 |
| S59 | 68263 | threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:32 |
| S58 | 7138 | S55 and S57 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:31 |
| S57 | 50549 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and (time near2 delay flight round near4 trip) and (distance range) near3 (measur\$5 determin\$5 calculat\$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:30 |
| S56 | 3531 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and (distance range) near3 (measur\$5 determin\$5 calculat\$4) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:29 |
| S55 | 110568 | threshold\$3 with (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) with (signal\$1 sampl\$3 dat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:29 |

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| S54 | 92972 | threshold\$3 with (noise\$1 signal) and (averag\$3 wight \$3 add\$3 addit\$4) with signal\$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/12/29 20:28 |
| S53 | 83 | 356/5.01-5.15.ccls. and threshold\$3 same averag\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/09/23 13:37 |
| S52 | 95 | 356/5.01-5.15.ccls. and threshold\$3 and weight\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/09/23 13:29 |
| S51 | 1 | "10574632" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/12/31 06:47 |
| S50 | 0 | "4.5" near3 (nep noise near2 equivalent near2 power) | USPAT | OR | OFF | 2007/12/30 01:18 |
| S49 | 2 | ("20040075823" "20030035097").pn. | US-PGPUB; USPAT | OR | ON | 2007/12/20 01:30 |
| S48 | 24 | 356/5.01.ccls. and digit\$4 near2 signal and (histogram bin) | US-PGPUB; USPAT | OR | ON | 2007/12/20 01:30 |
| S47 | 160 | 356/5.01.ccls. and digit\$4 near2 signal | US-PGPUB; USPAT | OR | ON | 2007/12/20 01:27 |
| S46 | 29 | 356/5.01.ccls. and threshold\$3 and (histogram bins) | US-PGPUB; USPAT | OR | OFF | 2007/12/20 01:27 |
| S44 | 28 | 356/5.01.ccls. and threshold and (histogram bins) | US-PGPUB; USPAT | OR | OFF | 2007/12/20 01:25 |
| S45 | 1 | "20030035097" | US-PGPUB; USPAT | OR | OFF | 2007/12/20 00:51 |
| S36 | 13 | 356/5.01.ccls. and threshold and bins | US-PGPUB; USPAT | OR | OFF | 2007/12/20 00:46 |
| S43 | 2 | ("20010012104" "20040135992").PN. | US-PGPUB; USPAT | OR | OFF | 2007/12/12 15:01 |
| S42 | 49 | rising near2 edge and falling near2 edge and (histogram \$1 (threshold\$3 and bin\$1)) and time near3 flight | US-PGPUB; USPAT | OR | OFF | 2007/12/12 15:01 |

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| S41 | 578 | rising near2 edge and falling near2 edge and (histogram \$1 (threshold\$3 and bin\$1)) | US-PGPUB; USPAT | OR | OFF | 2007/12/12 14:41 |
| S40 | 23 | 356/5.01.ccls. and rising near2 edge and falling near2 edge | US-PGPUB; USPAT | OR | OFF | 2007/12/12 14:40 |
| S32 | 41 | 356/5.01.ccls. and histo\$5 | US-PGPUB; USPAT | OR | OFF | 2007/12/12 13:35 |
| S35 | 38 | ("3591292" "3657547" "3719424" "3954340" "5134686" "5162643" "5446529" "5796094").PN. OR ("6137566").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/12/12 13:32 |
| S34 | 66 | "6137566" "5102219" "5612779" "53594004".pn. | US-PGPUB; USPAT | OR | OFF | 2007/12/12 13:29 |
| S33 | 0 | "6137566,5102219,5612779,53594004".pn. | US-PGPUB; USPAT | OR | OFF | 2007/12/12 13:29 |
| S31 | 1 | "20030035097" | US-PGPUB; USPAT | OR | OFF | 2007/12/12 13:17 |
| S30 | 0 | "20030035097" | USPAT | OR | OFF | 2007/12/12 13:16 |
| S29 | 34 | amplitude near2 function and distance near2 measur\$3 and time near2 flight | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 13:30 |
| S28 | 681 | amplitude near2 function and distance near2 measur\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 13:30 |
| S27 | 17362 | amplitude near2 function | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 13:29 |
| S26 | 32 | (exceed\$3 rais\$3 near2 above) near3 threshold and (falling near2 below) near3 threshold and distance near2 measur\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 13:29 |
| S6 | 71 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and measur\$3 near2 distance and averag\$4 near2 pulse \$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 13:04 |

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| S25 | 4 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and measur\$3 near2 distance and plural\$3 near2 measur\$5 with averag\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 11:11 |
| S7 | 58 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and measur\$3 near2 distance and plural\$3 near2 measur\$5 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/21 11:11 |
| S24 | 60 | threshold with lying with noise | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/21 09:58 |
| S23 | 3 | signal near2 sampl\$3 with phase near2 determin\$5 and averag\$3 near phases | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 21:19 |
| S22 | 0 | signal near2 sampl\$3 with phase near2 determin\$5 same averag\$3 near phases | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 21:19 |
| S21 | 26 | signal near2 sampl\$3 with phase near2 determin\$5 same average | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 21:19 |
| S20 | 678 | signal near2 sampl\$3 with phase near2 determin\$5 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 21:16 |
| S17 | 2 | ("20020070780" "6633367").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 21:16 |
| S19 | 1 | "10/512714" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 20:48 |
| S18 | 0 | "10512714" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 20:48 |
| S16 | 3 | ("20040125365" "6433866" "6450267").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 17:28 |
| S15 | 1 | laser with time near2 flight with compar\$3 and airplane | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 16:01 |
| S14 | 66 | laser with time near2 flight with compar\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 13:27 |

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| S13 | 14 | airplane with laser with target | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 13:25 |
| S12 | 1 | 10233017 10464602 10528245 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/08 13:20 |
| S11 | 2 | "20040135992" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 22:05 |
| S3 | 767 | 356/5.01 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 22:05 |
| S10 | 1 | "10574632" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/07 21:13 |
| S9 | 3 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and measur\$3 near2 distance and plural\$3 near2 measurement\$1 near2 averag\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 21:12 |
| S8 | 48 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and measur\$3 near2 distance and plural\$3 near2 measurement\$1 | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 20:47 |
| S5 | 829 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold and measur\$3 near2 distance | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 20:01 |
| S4 | 4698 | (transmit\$4 emit\$4 source generat\$4) and (receiv\$3 detect\$3 sens\$3) and time near2 flight and threshold | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 20:01 |
| S2 | 20 | ("3778822" "3829858" "4249177" "4318101" "4360811" "4386353").PN. OR ("4586043").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/05/07 19:51 |
| S1 | 4 | ("4299484" "4586043").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/05/07 17:52 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------------|------------------|---------|------------------|
| S80 | 2623 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4) and (plural\$4 several\$1 multipl\$4 many) near5 measur\$5) | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/14 17:24 |
| S79 | 2392 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4) and (plural\$4 several\$1 multipl\$4) near5 measur\$5) | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/14 17:24 |
| S78 | 4240 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4) and (two three second third plural\$4 several\$1 multipl\$4) near5 measur\$5) | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/14 17:23 |
| S71 | 8112 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)) | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/14 11:26 |

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|-----|----|--|-----------------------|----|-----|------------------|
| S70 | 61 | (threshold\$3 near6 (noise\$1 signal) and (averag\$3 wight\$3 add\$3 addit\$4) near6 (signal\$1 sampl\$3 dat\$3) and (time near4 (flight\$1 delay\$3 difference)) and (distance range) near5 (measur\$5 determin\$5 calculat\$4)).clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2010/06/14 11:13 |
|-----|----|--|-----------------------|----|-----|------------------|

6/ 15/ 2010 12:25:59 PM
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